

(19) World Intellectual Property Organization International Bureau



10/520720



(43) International Publication Date  
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number  
WO 2004/007118 A1

- (51) International Patent Classification<sup>7</sup>: B22D 11/22, 11/124, 11/06
- (21) International Application Number: PCT/EP2003/007302
- (22) International Filing Date: 8 July 2003 (08.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
MI2002A001512 10 July 2002 (10.07.2002) IT
- (71) Applicant (for all designated States except US): DANIELI & C. OFFICINE MECCANICHE S.P.A. [IT/IT]; Via Nazionale, 41, I-33042 Buttrio (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KAPAJ, Nuredin [AL/IT]; Via Caprera, 7, I-33100 Udine (IT). DRIUS, Francesco [IT/IT]; Via Predicort, 25, 33052 Cervignano (IT). BONERA, Andrea [IT/IT]; Piazza Unione, 12, I-33057 Palmanova (IT). POLONI, Alfredo [IT/IT]; Via G. Paolini, 29, I-34070 Fogliano Redipuglia (IT).
- (74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria, 9, I-20122 Milan (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declaration under Rule 4.17:

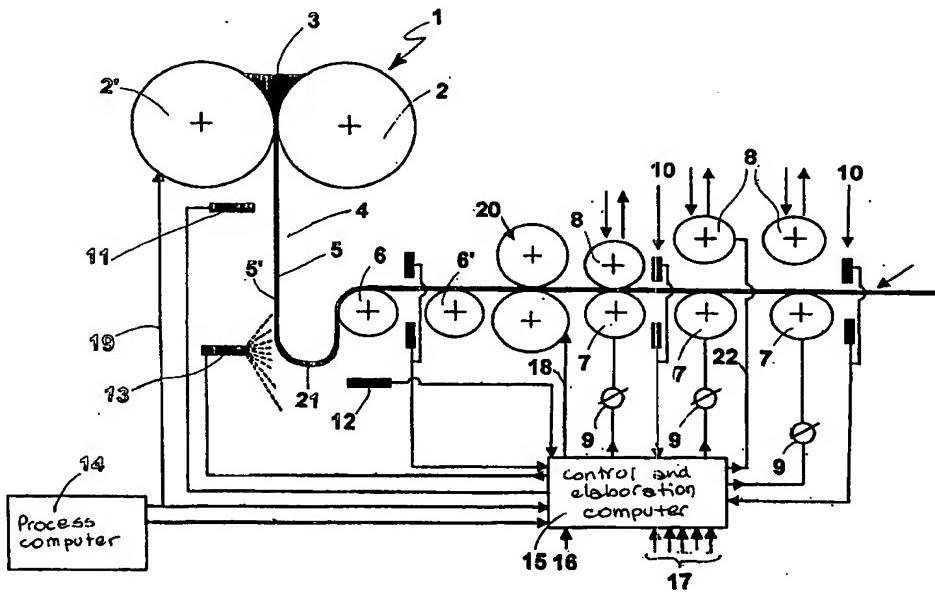
— of inventorship (Rule 4.17(iv)) for US only

## Published:

— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR THE REGULATION OF STRIP TEMPERATURE IN A CONTINUOUS METALLIC STRIP CASTING PLANT



WO 2004/007118 A1

(57) Abstract: A method, and the related implementation device, for the regulation of strip temperature in a continuous metallic strip casting plant, wherein such temperature regulation begins on the strip whilst under the casting equipment and at a certain distance from it, and then continues along the roll path. The device provides that the rolls on which the strip is transported are fitted with a cooling system.